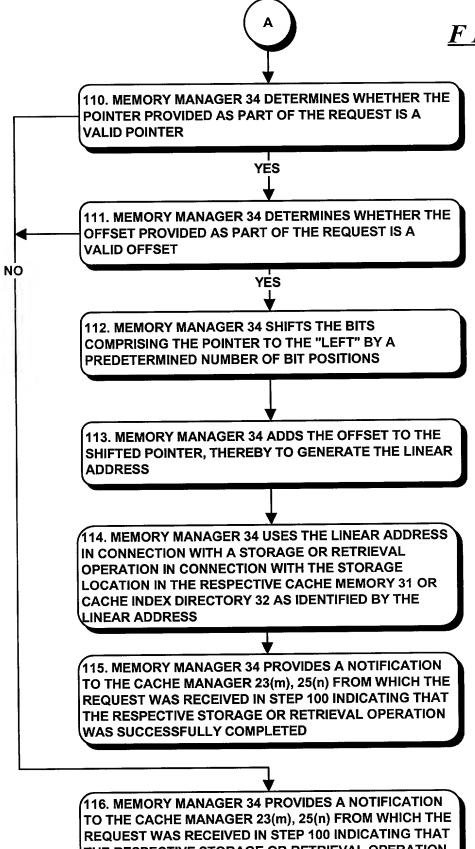


F I G. 2

100. MEMORY MANAGER 34 RECEIVES A STORAGE OR RETRIEVAL REQUEST FROM A CACHE MANAGER 23(m), 25(n) 101. MEMORY MANAGER 34 DETERMINES WHETHER THE REQUEST IS TO STORE DATA IN OR RETRIEVE DATA FROM A STORAGE LOCATION IN THE COMMON MEMORY SECTION 33, ON THE ONE HAND, OR THE CACHE MEMORY 31 OR CACHE INDEX DIRECTORY 32, ON THE OTHER HAND CACHE **MEM 31 COMMON MEM SECTION 33** OR CACHE 102. MEMORY MANAGER 34 DETERMINES WHETHER THE INDEX ADDRESS RECEIVED WITH THE REQUEST IS WITHIN THE **DIR 32** NO-RANGE OF ADDRESSES FOR THE COMMON MEMORY **SECTION 33** YES 103. MEMORY MANAGER 34 USES THE ADDRESS IN CONNECTION WITH A STORAGE OR RETRIEVAL **OPERATION IN CONNECTION WITH THE STORAGE LOCATION IN THE COMMON MEMORY SECTION 33 IDENTIFIED BY THE ADDRESS** 104. MEMORY MANAGER 34 PROVIDES A NOTIFICATION TO THE CACHE MANAGER 23(m), 25(n) FROM WHICH THE REQUEST WAS RECEIVED IN STEP 100 INDICATING THAT THE RESPECTIVE STORAGE OR RETRIEVAL OPERATION WAS SUCCESSFULLY COMPLETED 105. MEMORY MANAGER 34 PROVIDES A NOTIFICATION TO THE CACHE MANAGER 23(m), 25(n) FROM WHICH THE REQUEST WAS RECEIVED IN STEP 100 INDICATING THAT THE RESPECTIVE STORAGE OR RETRIEVAL OPERATION WAS NOT SUCCESSFULLY COMPLETED



THE RESPECTIVE STORAGE OR RETRIEVAL OPERATION WAS NOT SUCCESSFULLY COMPLETED